

## PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Commissioner for Patents  
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**STATEMENT UNDER 37 C.F.R. §3.73(b)**

HAKKO CORPORATION, a corporation existing under the laws of Japan, states that it is the assignee of the entire right, title, and interest in the patent applications and patents identified below by virtue of assignments from the inventor or inventors of the patent applications and patents. The assignments were recorded in the United States Patent and Trademark Office (USPTO) at the respective Reel and Frame numbers indicated below.

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| 1.<br>Applicant / Patent Owner: HAKKO CORPORATION<br>Application No. / Patent No.: 4,822,979<br>Filed / Issue Date: 04/18/1989<br>Entitled: TEMPERATURE CONTROLLED SOLDERING IRON WITH A<br>UNITARY ELECTRICALLY HEATED SOLDERING TIP AND<br>THERMO COUPLE<br>Assignment Recorded at Reel 010043, Frame 0315 |
| 2.<br>Applicant / Patent Owner: HAKKO CORPORATION<br>Application No. / Patent No.: D439821<br>Filed / Issue Date: 04/03/2001<br>Entitled: BOARD HOLDER<br>Assignment Recorded at Reel 010635, Frame 0084   |
| 3.<br>Applicant / Patent Owner: HAKKO CORPORATION<br>Application No. / Patent No.: 6,329,641<br>Filed / Issue Date: 12/11/2001<br>Entitled: DEVICE AND METHOD FOR CONTROLLING A SOLDERING<br>IRON<br>Assignment Recorded at Reel 010604, Frame 0602  |

## PATENT

4. Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: 5,066,849 Filed / Issue Date: 11/19/1991 Entitled: SOLDERING IRON FOR SURFACE MOUNTED COMPONENTS Assignment Recorded at Reel 010719, Frame 0352
5. Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: D467,048 Filed / Issue Date: 12/10/2002 Entitled: HAND-HELD VACUUM PICK-UP Assignment Recorded at Reel 011914, Frame 0769
6. Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: 6,710,304 Filed / Issue Date: 03/23/2004 Entitled: CARTRIDGE TYPE SOLDERING IRON WITH A RELEASABLE AND REPLACEABLE HANDLE Assignment Recorded at Reel 012269, Frame 0475
7. Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: 6,563,087 Filed / Issue Date: 05/13/2003 Entitled: AUTOMATED SOLDERING SYSTEM Assignment Recorded at Reel 012536, Frame 0620
8. Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: 6,916,859 Filed / Issue Date: 07/12/2005 Entitled: ANTI-MICROBIAL TOOL GRIP Assignment Recorded at Reel 016355, Frame 0255
9. Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: 6,818,862 Filed / Issue Date: 11/16/2004 Entitled: IRON TIP AND ELECTRIC SOLDERING IRON Assignment Recorded at Reel 013371, Frame 0394

## PATENT

10.

Applicant / Patent Owner: HAKKO CORPORATION

Application No. / Patent No.: 7,044,354

Filed / Issue Date: 05/16/2006

Entitled: SOLDERING SYSTEM WITH INDICATOR LIGHTS  
DISPLAYING SYSTEM STATUS

Assignment Recorded at Reel 017140, Frame 0204

11.

Applicant / Patent Owner: HAKKO CORPORATION

Application No. / Patent No.: D505605

Filed / Issue Date: 05/31/2005

Entitled: HALF CIRCULAR FLANGE FOR A SOLDERING CARTRIDGE

Assignment Recorded at Reel 014397, Frame 0399

12.

Applicant / Patent Owner: HAKKO CORPORATION

Application No. / Patent No.: D505053

Filed / Issue Date: 05/17/2005

Entitled: SOLDERING HANDLE FOR TWO PARALLEL CARTRIDGES

Assignment Recorded at Reel 014265, Frame 0455

13.

Applicant / Patent Owner: HAKKO CORPORATION

Application No. / Patent No.: D489236

Filed / Issue Date: 05/04/2004

Entitled: FLANGE FOR A SOLDERING CARTRIDGE

Assignment Recorded at Reel 014397, Frame 0134

14.

Applicant / Patent Owner: HAKKO CORPORATION

Application No. / Patent No.: D491030

Filed / Issue Date: 06/08/2004

Entitled: MINI HANDLE FOR PARALLEL CARTRIDGES

Assignment Recorded at Reel 015180, Frame 0973

15.

Applicant / Patent Owner: HAKKO CORPORATION

Application No. / Patent No.: 7,060,937

Filed / Issue Date: 06/13/2006

Entitled: CARTRIDGE-TYPE SOLDERING IRON WITH INERT GAS  
EMITTED NEAR THE TIP

Assignment Recorded at Reel 014988, Frame 0050

## PATENT

16.  
Applicant / Patent Owner: HAKKO CORPORATION  
Application No. / Patent No.: 7,030,339  
Filed / Issue Date: 04/18/2006  
Entitled: SOLDERING IRON TIP WITH METAL PARTICLE SINTERED  
MEMBER CONNECTED TO HEAT CONDUCTING CORE  
Assignment Recorded at Reel 016355, Frame 0618

17.  
Applicant / Patent Owner: Toshikazu Mochizuki  
Application No. / Patent No.: 10/816,231  
Filed / Issue Date: 03/31/2004  
Entitled: SOLDER HEATING SYSTEM  
Assignment Recorded at Reel 015180, Frame 0492

18.  
Applicant / Patent Owner: Hiroyuki Masaki  
Application No. / Patent No.: 10/874,856  
Filed / Issue Date: 06/22/2004  
Entitled: REPLACEABLE SOLDERING TIP WITH SENSOR RECESS  
Assignment Recorded at Reel 015516, Frame 0473

19.  
Applicant / Patent Owner: Mitsuhiro Miyazaki, et al.  
Application No. / Patent No.: 10/892,780  
Filed / Issue Date: 07/15/2004  
Entitled: SOLDERING DEVICE WITH CARTRIDGE TYPE BATTERY  
PACK  
Assignment Recorded at Reel 015690, Frame 0583

20.  
Applicant / Patent Owner: Takashi Nagase, et al.  
Application No. / Patent No.: 10/785,152  
Filed / Issue Date: 02/24/2004  
Entitled: SOLDERING IRON TIP AND METHOD OF  
MANUFACTURING SAME  
Assignment Recorded at Reel 015579, Frame 0036

21.  
Applicant / Patent Owner: Takashi Nagase, et al.  
Application No. / Patent No.: 10/785,151  
Filed / Issue Date: 02/24/2004  
Entitled: SOLDERING IRON TIP AND METHOD OF  
MANUFACTURING SAME  
Assignment Recorded at Reel 016310, Frame 0965

## PATENT

22.

Applicant / Patent Owner: Kayoko Yoshimura, et al.

Application No. / Patent No.: 10/967,017

Filed / Issue Date: 10/14/2004

Entitled: DESOLDERING WICK FOR LEAD-FREE SOLDER

Assignment Recorded at Reel 016095, Frame 0110

23.

Applicant / Patent Owner: HAKKO CORPORATION

Application No. / Patent No.: 6,131,791

Filed / Issue Date: 10/17/2000

Entitled: SOLDERING AND DESOLDERING DEVICE WITH  
IMPROVED PICKUP DEVICE

Assignment Recorded at Reel 010447, Frame 0284

24.

Applicant / Patent Owner: Yoshitomo Teraoka

Application No. / Patent No.: 10/942,688

Filed / Issue Date: 09/15/2004

Entitled: ELECTRICALLY-CONTROLLED SOLDERING POT  
APPARATUS

Assignment Recorded at Reel 016132, Frame 0487

25.

Applicant / Patent Owner: HAKKO CORPORATION

Application No. / Patent No.: 7,126,086

Filed / Issue Date: 10/24/2006

Entitled: CARTRIDGE-TYPE SOLDERING IRON

Assignment Recorded at Reel 016148, Frame 0559

26.

Applicant / Patent Owner: Mitsuhiro Miyazaki, et al.

Application No. / Patent No.: 11/036,417

Filed / Issue Date: 01/14/2005

Entitled: CONTROL SYSTEM FOR BATTERY POWERED HEATING  
DEVICE

Assignment Recorded at Reel 016343, Frame 0248

27.

Applicant / Patent Owner: Mitsuhiro Miyzaki

Application No. / Patent No.: 11/365,216

Filed / Issue Date: 02/28/2006

Entitled: LOCKING MECHANISM FOR SOLDERING IRON

Assignment Recorded at Reel 018234, Frame 0463

## PATENT

28.

Applicant / Patent Owner: Mitsuhiro Miyazaki  
Application No. / Patent No.: 10/688,413  
Filed / Issue Date: 10/17/2003  
Entitled: ELECTRIC PART HANDLING DEVICE  
Assignment Recorded at Reel 015401, Frame 0957

29.

Applicant / Patent Owner: HAKKO CORPORATION  
Application No. / Patent No.: 6,972,396  
Filed / Issue Date: 12/06/2005  
Entitled: ELECTRIC PART HEATING DEVICE AND ELECTRIC PART  
HANDLING DEVICE  
Assignment Recorded at Reel 014628, Frame 0417

30.

Applicant / Patent Owner: HAKKO CORPORATION  
Application No. / Patent No.: D493342  
Filed / Issue Date: 07/27/2004  
Entitled: CONTROLLER FOR SOLDERING IRON  
Assignment Recorded at Reel 014258, Frame 0155

31.

Applicant / Patent Owner: HAKKO CORPORATION  
Application No. / Patent No.: D497527  
Filed / Issue Date: 10/26/2004  
Entitled: CONTROLLER FOR SOLDERING IRON  
Assignment Recorded at Reel 014258, Frame 0143

32.

Applicant / Patent Owner: HAKKO CORPORATION  
Application No. / Patent No.: 6,750,431  
Filed / Issue Date: 06/15/2004  
Entitled: ELECTRIC COMPONENT REMOVING DEVICE  
Assignment Recorded at Reel 013209, Frame 0528

33.

Applicant / Patent Owner: HAKKO CORPORATION  
Application No. / Patent No.: D490448  
Filed / Issue Date: 05/25/2004  
Entitled: CONTROLLER FOR SOLDERING IRON  
Assignment Recorded at Reel 014044, Frame 0377

## PATENT

34.

Applicant / Patent Owner: HAKKO CORPORATION

Application No. / Patent No.: 6,871,804

Filed / Issue Date: 03/29/2005

Entitled: A DISCONNECTABLE NOZZLE FOR HOT AIR

Assignment Recorded at Reel 014450, Frame 0141

35.

Applicant / Patent Owner: HAKKO CORPORATION

Application No. / Patent No.: 6,833,531

Filed / Issue Date: 12/21/2004

Entitled: TEMPERATURE ADJUSTING DEVICE FOR A SOLDERING  
IRON

Assignment Recorded at Reel 014388, Frame 0879

36.

Applicant / Patent Owner: Tetuo Yokoyama

Application No. / Patent No.: 10/859,936

Filed / Issue Date: 06/02/2004

Entitled: TEMPERATURE CONTROL SYSTEM FOR SOLDER  
HANDLING DEVICES AND METHOD FOR TEMPERATURE  
CONTROL FOR THOSE DEVICES

Assignment Recorded at Reel 015426, Frame 0506

37.

Applicant / Patent Owner: HAKKO CORPORATION

Application No. / Patent No.: D530349

Filed / Issue Date: 10/17/2006

Entitled: CONTROLLER FOR SOLDERING IRON

Assignment Recorded at Reel 016331, Frame 0421

38.

Applicant / Patent Owner: HAKKO CORPORATION

Application No. / Patent No.: D522328

Filed / Issue Date: 06/06/2006

Entitled: SOLDERING IRON MAIN BODY

Assignment Recorded at Reel 017009, Frame 0071

39.

Applicant / Patent Owner: Mitsuhiko Miyzaki

Application No. / Patent No.: 29/233,090

Filed / Issue Date: 06/27/2005

Entitled: WIRE INSULATION STRIPPING TOOL

Assignment Recorded at Reel 016743, Frame 0016

## PATENT

40. Applicant / Patent Owner: Takashi Uetani Application No. / Patent No.: 29/234,239 Filed / Issue Date: 07/14/2005 Entitled: OXIDE REMOVER FOR SOLDERING TIPS Assignment Recorded at Reel 017028, Frame 0723
41. Applicant / Patent Owner: Mochizuki Toshikazu Application No. / Patent No.: 29/234,297 Filed / Issue Date: 07/14/2005 Entitled: NITROGEN EXTRACTOR Assignment Recorded at Reel 016786, Frame 0231
42. Applicant / Patent Owner: Yoshimoto Teraoka Application No. / Patent No.: 29/260,032 Filed / Issue Date: 05/17/2006 Entitled: THERMOMETER Assignment Recorded at Reel 018910, Frame 0614
43. Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: D542110 Filed / Issue Date: 05/08/2007 Entitled: HOLDER FOR SOLDERING IRONS Assignment Recorded at Reel 018339, Frame 0128
44. Applicant / Patent Owner: Mitsuhiro Miyazaki Application No. / Patent No.: 29/272,048 Filed / Issue Date: 01/31/2007 Entitled: WIRE INSULATION STRIPPING TOOLS Assignment Recorded at Reel 018897, Frame 0112
45. Applicant / Patent Owner: Toshinobu Ishihara Application No. / Patent No.: 29/272,075 Filed / Issue Date: 01/31/2007 Entitled: PREHEATER FOR MELTING SOLDER Assignment Recorded at Reel 018900, Frame 0918



## PATENT

HAKKO CORPORATION, a corporation existing under the laws of Japan, states that it is the assignee of the entire right, title, and interest in the patent application and patents identified below by virtue of chains of title from the inventor or inventors of the patent application and patents, to the current assignee as indicated below.

46.

Applicant / Patent Owner: HAKKO CORPORATION

Application No. / Patent No.: 5,408,072

Filed / Issue Date: 04/18/1995

Entitled: VARIABLE TEMPERATURE HIGH FREQUENCY  
INDUCTION HEATING SOLDERING IRON

1. From: Takashi Nagase To: American Hakko, Inc.  
The document was recorded in the USPTO at Reel 006864, Frame 0187
2. Correction of Assignee previously recorded at Reel 006864, Frame 0187  
From: Takashi Nagase To: American Hakko Products, Inc.  
The document was recorded in the USPTO at Reel 018367, Frame 0373
3. From: American Hakko Products, Inc. To: Hakko Corporation  
The document was recorded in the USPTO at Reel 018635, Frame 0281

47.

Applicant / Patent Owner: Kayoko Yoshimura, et al.

Application No. / Patent No.: 11/138,656

Filed / Issue Date: 05/25/2005

Entitled: SOLDERING IRON WITH REPLACEABLE TIP

1. From: Kayoko Yoshimura, Takashi Uetani, Takashi Nagasi, Hiroyuki Masaki  
To: Hakko Corporation  
The document was recorded in the USPTO at Reel 017095, Frame 0918
2. From: Hakko Products, Inc. To: Hakko Corporation  
The document was recorded in the USPTO at Reel 017817, Frame 00921
3. Correction of Assignor's name previously recorded at Reel 017817, Frame 0921  
From: American Hakko Products, Inc. To: Hakko Corporation  
The document was recorded in the USPTO at Reel 018150, Frame 0980

## PATENT

48.

Applicant / Patent Owner: HAKKO CORPORATION


Application No. / Patent No.: 6,019,270

Filed / Issue Date: 02/01/2000

Entitled: SOLDERING IRON TIP

1. From: Stephen E. Boll, Randy C. Long, Peter M. Ziolkowski, James K. Lake  
To: Lockheed Martin Corporation  
The document was recorded in the USPTO at Reel 008180, Frame 0381
2. From: Lockheed Martin Corporation To: Hakko Corporation  
The document was recorded in the USPTO at Reel 019297, Frame 0967
3. Correction of Assignor's name previously recorded at Reel 019297, Frame 0967  
From: Lockheed Martin Corporation To: Hakko Corporation  
The document was recorded in the USPTO at Reel 019365, Frame 0462

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

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Title & Company	President, Hakko Corporation		